

NRCS Soil Science Division International Activities in the Caribbean and Latin America

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Soil Science Division
July 2016



- IYS Honduras and Mexico
- Soil Taxonomy Mexico
- Central America and Haiti Inventory
- Latin America and Caribbean Soil Atlas
- IUSS Universal Soil Classification working group
- Global Soil Partnership









REUNIÓN INTERNACIONAL UNIVERSITARIA DE

CIENCIAS DEL SUELO

Presente y futuro de las funciones del suelo

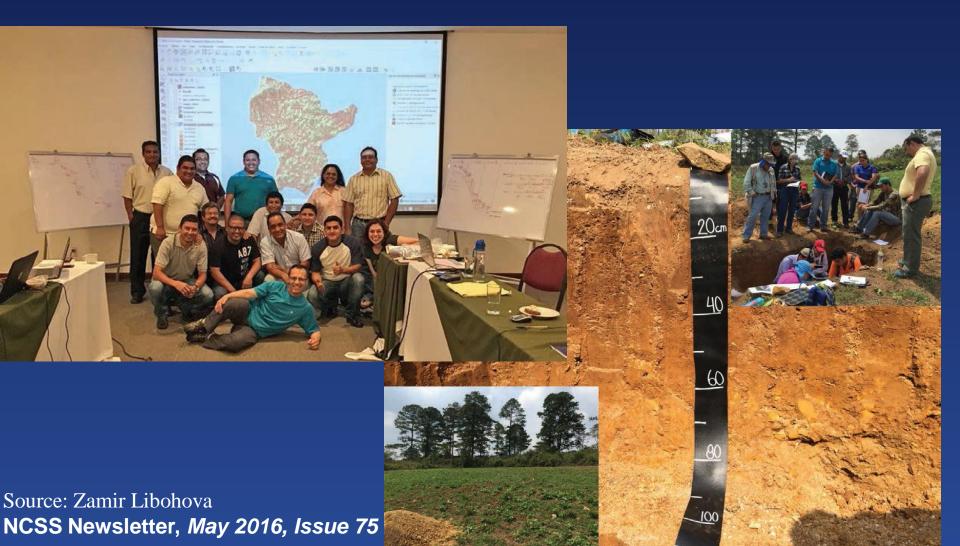
IX SEMINARIO - TALLER
INTERNACIONAL DE
CLASIFICACIÓN DE
SUELOS







Central America Soil Mapping





Haiti Soil Initiative

- Cochran training 2013
- Field training and demo survey area 2014
- Cochran training 2016







Atlas content - Examples

- Soils and the environment in LAC
- Soil classification
- Soil maps
- Soils and land use in LAC
- Soils and climate change in LAC
- Soils and large landscapes
- LAC soils: National perspectives







CLACS
2009 Costa Rica
2012 Argentina
2014 Peru
2016 Ecuador



Universal Soil Classification IUSS Working Group



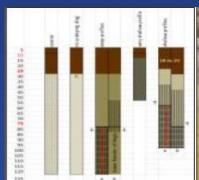
Universal Soil Classification System Report from the International Union of Soil Sciences Working Group

Jonathan Hempel,* Erika Micheli, Phillip Owens, and Alex McBratney

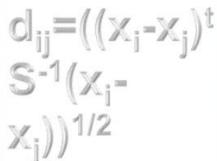
Global pedodiversity, taxonomic distance, and the World Reference Base

Budiman Minasny ^a, Alex. B. McBratney ^{a,*}, Alfred E. Hartemink ^b

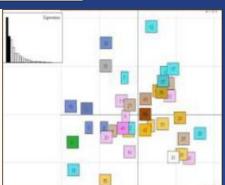
^a Faculty of Agriculture, Food & Natural Resources, The University of Sydney, NSW 2006, Australia ^b ISRIC – World Soil Information, P.O. Box 353, 6700 AJ Wageningen, The Netherlands





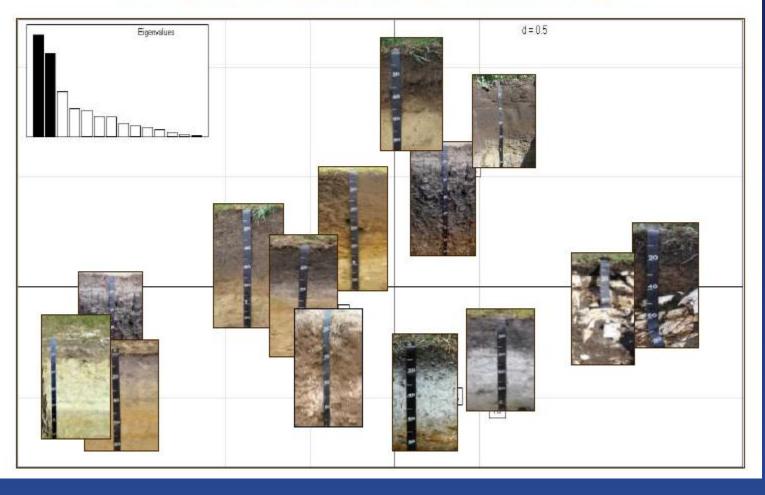




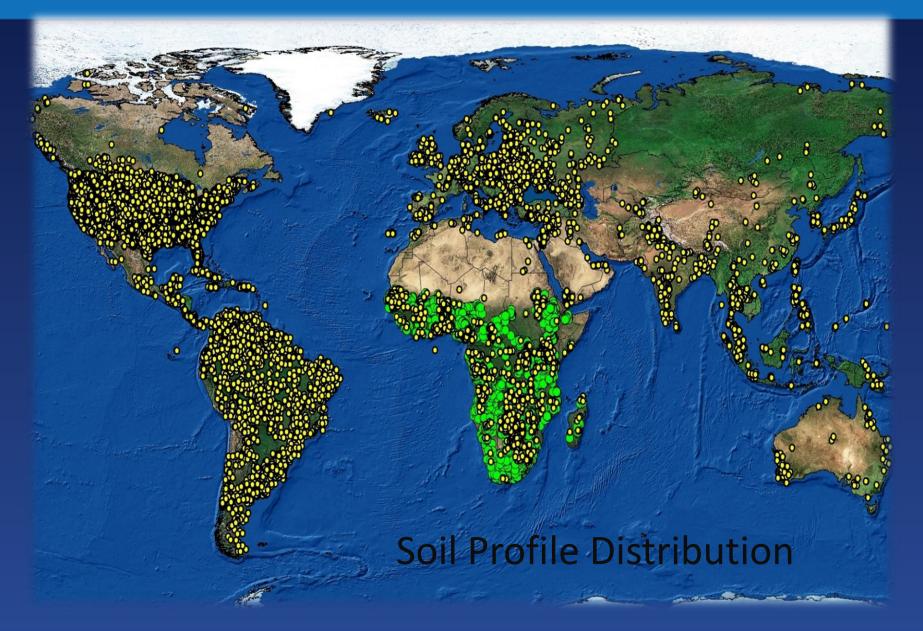




Taxonomic relationship studies based on distance calclations









GSP - Working Structure



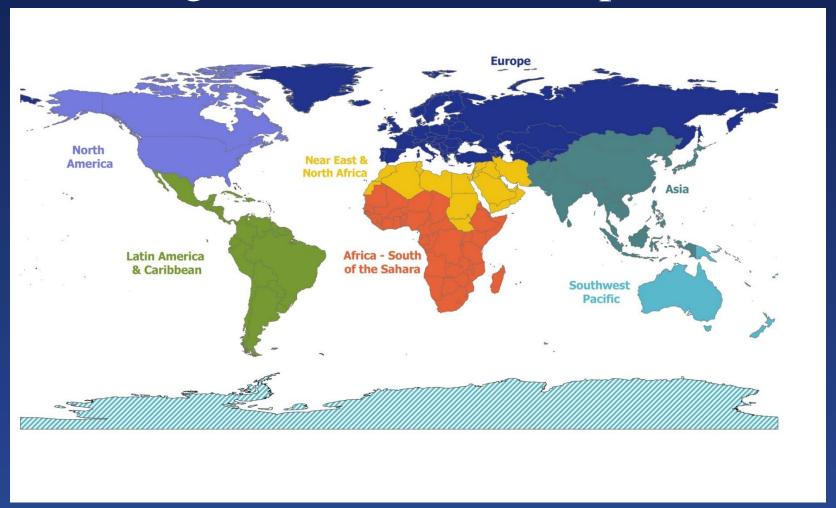


Key outputs:

- Establishment of the Intergovernmental Technical Panel on Soils
- Five Pillars of Action: Soil Management, Awareness Raising, Research, Information and Data, & Harmonization
- Submission of the proposal for a UN World Soil Day (5 December) and the International Year of Soils 2015
- Preparation of the revised World Soil Charter
- Production of the Status of the World's Soil Resources report
- Establishment of Regional Soil Partnerships
- Development of capacities in developing countries on digital soil mapping
- Development of Voluntary Guidelines for Sustainable Soil Management
- Establishment of national soil information systems



Regional Soil Partnerships - 7





South America Soil Partnership



The South American Soil facilitates linkages betwe local programs and activi land management to stre ventures and develop syr soils of South America no region but also play a key

food security, as the region is a major food exporter and the d affects a large part of agricultural soils in South America.

Steering Committee

To achieve the goals of the partnership a Steering Committee was established with the following members:

- Chair: Carla Pasclae Medina (Argentina)
- Other members: María Julia Cabello (Argentina), Federico G. Fritz

(Argentina), Adrian Andriulo (Argentina), Clarissa Nina (Brasil), Jhonny Oscar Cordero Núñez (Bolivia), German Amador Ruiz Cardenas (Chile), Diana Marcela Gomez Bonilla (Colombia), Soraya Alvarado (Ecuador), Miguel Angel Ken Moriya Roa (Paraguay), Oscar Roca (Peru), Mariana Hill Lavista (Uruguay), Jose Gregorio Alvarez (Venezuela).



LAC Partnership Inception Workshop at the Latin America Soil Congress



On 16-20 April 2012, on the occasion of the XIX Latin America S Congress, an inception workshop on soil information in Mar del F Argentina was organized for establishing the initial Latin America Partnership. 21 national soil institutions participated and present their status in terms of soil information and soil activities as well a needs and priorities that the regional partnership should focus or

INTA, CIAT, EMBRAPA were the host of this meeting and they a leading the implementation of some regional soil activities. The MPlata Communiqué was prepared by the participants in which the support the Global Soil Partnership and expressed that there is a strengthening the soil institutions through capacity development investing in sustainable soil management practices.



North America Regional Soil Partnership

- Composed of Canada and the US
- Led by the SSSA, SWCS and CSSS, support from a cast of others (i.e. NRCS and AAFC)
- Charles Rice, Gerald Miller, and Dan Pennock, are the respective liaisons.
- Membership in the Intergovernmental Technical Panel on Soils



Summary

- Build capacity to utilize Soil Taxonomy and other USDA soil science standards and technology to increase food security and sustainable land use.
- Promote soil conservation
- Establish permanent contacts with institutions and organizations responsible for soil conservations and



For additional information

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